

XP-002297995

(C) WPI/Derwent

AN - 1980-87960C [49]

A - [001] 011 03- 034 037 04& 04- 074 076 086 231 239 24& 259 264 266 273  
341 355 359 393 44& 473 479 48- 501 516 523 525 546 58- 633 642 643  
645 679 690 691 723 724 726

CPY - ASEL-R

DC - A11 A96 B04 D16

FS - CPI

IC - C08B37/08

IN - BERKOVICH L A; DAVANKOV V A; TSYURUPA M P

KS - 0003 0034 0206 0224 0229 0230 0231 0620 0625 1989 1999 2000 2020 2021  
2023 2029 2066 2116 2121 2177 2180 2198 2206 2292 2300 2493 2512 2542  
2595 2705 2706 2766 2840

MC - A04-D04 A04-D05 A10-E09 A10-E19 A12-W11B B04-B02C B04-C02 D05-A01

M1 - [01] V800 V731 V732 V733 V734 V735 F423 F499 H211 H212 H213 J171 J371  
J372 J373 J321 J322 J521 J522 N151 N152 N000 M720 M423 M902

PA - (ASEL-R) AS USSR ELEMENT ORG

PN - SU729197 A 19800428 DW198049 000pp

PR - SU19772502642 19770705

XIC - C08B-037/08

AB - SU-729197 Crosslinked chitosan copolymers have gps.; X-O-X (where X is  
gp. of formula (I), and are used as carriers for enzyme immobilisation  
(e.g. for foodstuff and pharmaceutical use. It is by free radical  
copolymerisation of chitosan (acylated with maleic anhydride) and  
vinyl monomer. Acylating in formamide at 20-60 degrees C gives degree  
of acylation 5-100%. Copolymerisation is carried out in aq. or  
organic solvent (or mixt.) pref. in inert atmos. using wt. ratio vinyl  
monomer-acylated chitosan 1:10-100:1, soln. concn. 3-20 wt.%, and  
initiation at 20-100 degrees C to give swollen transparent gel, which  
may be pulverised and dried.

IW - CROSSLINK CHITOSAN COPOLYMER CARRY ENZYME IMMOBILISE  
PREPARATION

CHITOSAN ACYLATED MALEIC ANHYDRIDE POLYVINYL MONOMER  
COPOLYMERISE

IKW - CROSSLINK CHITOSAN COPOLYMER CARRY ENZYME IMMOBILISE  
PREPARATION

CHITOSAN ACYLATED MALEIC ANHYDRIDE POLYVINYL MONOMER  
COPOLYMERISE

INW - BERKOVICH L A; DAVANKOV V A; TSYURUPA M P

NC - 001

OPD - 1977-07-05

ORD - 1980-04-28

PAW - (ASEL-R) AS USSR ELEMENT ORG

TI - Crosslinked chitosan copolymer carrier for enzyme immobilisation -  
prepd. from chitosan acylated with maleic anhydride and vinyl] monomer  
copolymerisation